

KMV6

Osram

PHOTOCELLS

KMV6 PHOTOCELL

DESCRIPTION

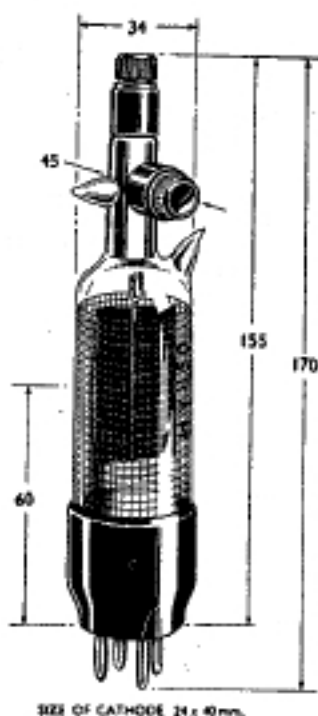
Type KMV6 Photocell (potassium on silver oxide) is suitable for applications which involve the measurement of illumination and applications demanding some sensitivity over the whole visible spectrum, and for cases where objection is raised to the more peaked spectral response of such types as the CMV6 and KG7.

The cathode is in the form of a rectangular plate, centrally placed in the bulb and brought out to a screw cap at the top.

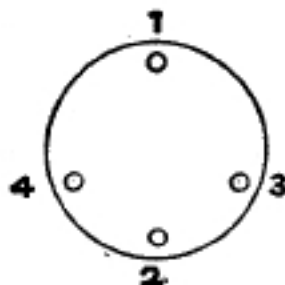
The anode, which is in the form of a wire mesh covering the internal surface of the bulb, is brought out to the anode and grid pins of a standard valve base.

A side terminal makes connection to an internal guard ring which is deposited on the neck of the bulb and serves to shunt internal leakage current between the electrodes. An external guard ring can be formed by wrapping a few turns of bare copper wire round the neck of the bulb and connection to the side terminal. The sensitivity of the cell is about $2 \mu\text{A}/\text{lumen}$ to a source at 2360°K .

DIMENSIONS



BASE



View looking on underside of base.

4 PIN

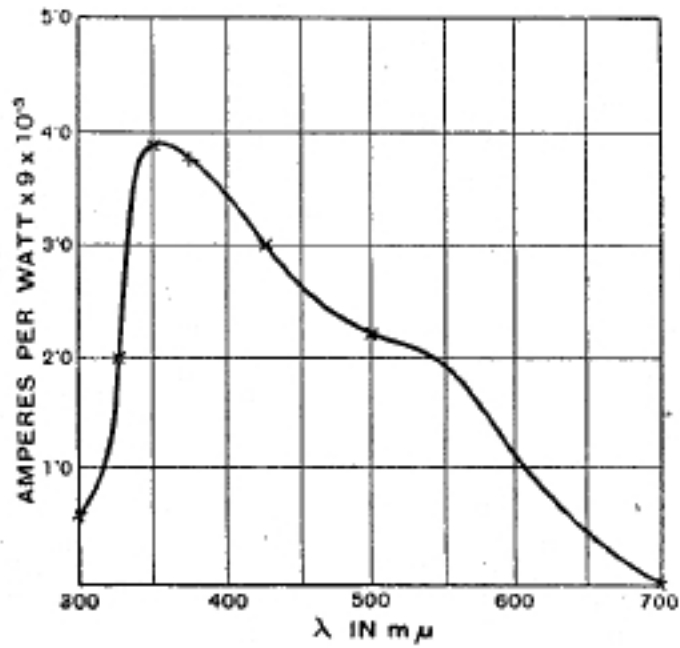
- Pin 1: Anode
- 2: Anode
- 3: Not connected
- 4: Not connected

Top screw cap: Cathode

Side screw cap: Internal guard ring

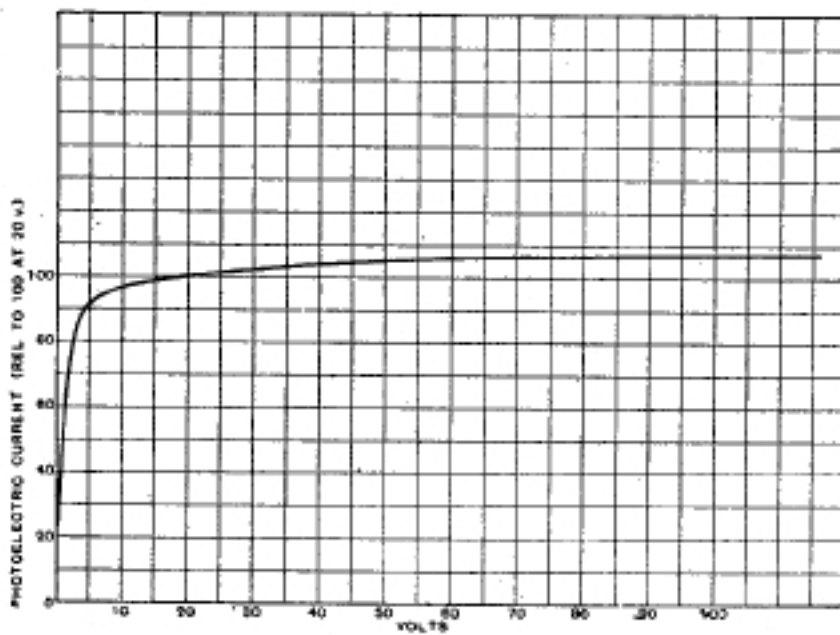
All dimensions are in mm. and are the maximum except where otherwise stated.

TYPE KMV6



AVERAGE SPECTRAL SENSITIVITY CURVE.

(Equal distribution of energy at source.)



KMV6 AVERAGE VOLTAGE-CURRENT CURVE.